F. Sol.

RECEIVED Page 1 of 7

JUI 2 7 2001

OIPE

TECH CENTER 1600/2900

RAW SEQUENCE LISTING DATE: 06/01/2001 PATENT APPLICATION: US/09/396,985B TIME: 15:47:39

Input Set : A:\Utsd602.app

3 <110> APPLICANT: BEUTLER, BRUCE

Output Set: C:\CRF3\06012001\I396985B.raw

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POLTORAK, ALEXANDER
 6 <120> TITLE OF INVENTION: LPS - RESPONSE GENE COMPOSITIONS AND METHODS
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10 <140> CURRENT APPLICATION NUMBER: 09/396,985B
11 <141> CURRENT FILING DATE: 1999-09-15
13 <150> PRIOR APPLICATION NUMBER: 60/102,392
14 <151> PRIOR FILING DATE: 1998-09-29
16 <150> PRIOR APPLICATION NUMBER: 60/100,403
17 <151> PRIOR FILING DATE: 1998-09-15
19 <160> NUMBER OF SEQ ID NOS: 104
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Input Set : A:\Utsd602.app

Output Set: C:\CRF3\06012001\I396985B.raw

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Input Set : A:\Utsd602.app

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Input Set : A:\Utsd602.app

Output Set: C:\CRF3\06012001\I396985B.raw

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| 185 | | T. 211 | Val | Δsn | Cvs | | Phe | Glv | Gln | Pho | | Thr | I.e.ii | I.vs | T.e.n | | Ser |
| 185 | | пси | V U I | 11011 | - | - y 5 | | O _T y | 01 | | 110 | | Lou | Lyo | | 2,0 | 501 |
| 186 | | Leu | Lvs | Ara | | Thr | Phe | Thr | Ser | | Lvs | Glv | Glv | Asn | | Phe | Ser |
| 188 Glu Val Asp Leu Pro Ser Leu Glu Pro Ser Asp Leu Asp Asp Asp Gly Asp Ser Asp Asp Ser Asp Asp Ser Asp Asp | | | -1- | _ | | | | | | | -1- | 1 | 1 | | | | |
| 189 | | Glu | Val | | Leu | Pro | Ser | Leu | | Phe | Leu | Asp | Leu | | Ara | Asn | Glv |
| 192 385 | | | | L | | - | | | | | | 1 | | • | , | | 4 |
| 192 385 | 191 | Leu | Ser | Phe | Lys | Gly | Cys | Cys | Ser | Gln | Ser | Asp | Phe | Gly | Thr | Thr | Ser |
| 195 | | | | | - | • | | - | | | | - | | - | | | |
| 197 | 194 | Leu | Lys | Tyr | Leu | Asp | Leu | Ser | Phe | Asn | Gly | Val | Ile | Thr | Met | Ser | Ser |
| 198 | 195 | | _ | | | 405 | | | | | 410 | | | | | 415 | |
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| 201 | | | | | | | | | | | | | | | | | |
| 203 Leu 1le Tyr Leu Asp Ile Ser His Thr His Thr Arg Val Ala Phe Asn 204 455 | 200 | Asn | Leu | _ | Gln | Met | Ser | Glu | | Ser | Val | Phe | Leu | | Leu | Arg | Asn |
| 204 | | | | | | | | | | | | | | | _ | | |
| 206 Gly 11e Phe Asn Gly Leu Ser Ser Leu Glu Val Leu Lys Met Ala Gly 207 465 470 470 470 475 480 480 209 Asn Ser Phe Gln Glu Asn Phe Leu Pro Asp I1e Phe Thr Glu Leu Arg 495 212 Asn Leu Thr Phe Leu Asp Leu Ser Gln Cys Gln Leu Glu Gln Leu Ser Ser Ser Leu Glu Gln Leu Asn Met Ser Ser Ser Leu Gln Ser Ser Ser Leu Ser Ser Ser Leu Ser Ser Ser Leu Asn Met Ser Ser Ser Leu Ser Ser Ser Leu Asn Met Ser Ser Ser Leu Ser Ser Ser Leu Asn Met Ser Ser Ser Leu Ser Ser Ser Leu Asn Met Ser Ser Ser Leu Asn His I1e Met Thr Ser Lys Ser Ser Leu Asn His I1e Met Thr Ser Lys Ser Ser Leu Asn His I1e Met Thr Ser Lys Ser Ser Ser Leu Asn His I1e Met Thr Ser Lys Ser Ser Ser Leu Asn His I1e Met Thr Ser Lys Ser Ser Ser Leu Asn His I1e Met Thr Ser Lys Ser Ser Ser Leu Asn Leu Asn Leu Ser Ser Ser Leu Asn Leu Asn Leu Ser Ser Ser Leu Asn Leu Asn Leu Ser Ser Ser Leu Asn Leu Ser Ser Ser Ser Leu Asn Leu Ser Ser Ser Ser Leu Asn Ser Ser Ser Ser Leu Asn Ser Ser Ser Ser Leu Asn Ser | | Leu | | Tyr | Leu | Asp | Ile | | His | Thr | His | Thr | | Val | Ala | Phe | Asn |
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| 210 | | | 0 - | D1 | 01 . | 01. | | Dh | T | D | 7 | | DL. | m 1 | C1 | T | |
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| 215 | | ASII | Leu | 1111 | | ьеu | Asp | neu | Ser | | Cys | GIII | neu | Giu | | пеп | 261 |
| Signature Sign | | Pro | Thr | Δla | | Asn | Ser | I.eu | Ser | | I.e.ii | Gln | Val | Leu | | Met | Ser |
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| 222 545 550 550 555 555 560 524 Leu Ala Phe Leu Asn Leu Ala Phe Leu Asn Leu 575 565 565 565 570 570 570 575 | | | | | | | | | L | | | | | -1 | - 1 | | |
| 222 545 550 550 555 555 560 524 Leu Ala Phe Leu Asn Leu Ala Phe Leu Asn Leu 575 565 565 565 570 570 570 575 | 221 | Ser | Leu | Gln | Val | Leu | Asp | Tyr | Ser | Leu | Asn | His | Ile | Met | Thr | Ser | Lys |
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| 233 Cys Ala Thr Pro Ser Asp Lys Gln Gly Met Pro Val Leu Asp Leu Asp Lys Thr Ile Ile Gly Val Ser Val Leu Ser Asp Lys Thr Ile Ile Gly Val Ser Val Leu Ser 640 Asp Asp Asp Ile Ile Ile Gly Val Tyr Lys Phe Tyr Ser Ser Gln Asp Gly Asp Trp Val Asp Asp Asp Tyr Asp Asp Ile Asp Ser Ser Ser Gln Asp Glu Asp Trp Val Asp Asp P | | Trp | Ile | | Asp | Gln | Arg | Gln | | Leu | Val | Glu | Val | | Arg | Met | Glu |
| 234 610 615 620 236 Ile Thr Cys Gln Met Asn Lys Thr Ile Ile Gly Val Ser Val Leu Ser 637 625 630 635 640 237 625 630 762 635 640 239 Val Leu Val Val Ser Val Val Val Ala Val Leu Val Tyr Lys Phe Tyr Phe 645 645 650 655 242 His Leu Met Leu Leu Ala Gly Cys Ile Lys Tyr Gly Arg Gly Glu Asn 660 660 665 665 243 Ile Tyr Asp Ala Phe Val Ile Tyr Ser Ser Gln Asp Glu Asp Trp Val 646 675 675 680 680 685 244 Arg Asn Glu Leu Val Lys Asn Leu Glu Glu Gly Val Pro Pro Phe Gln 690 690 695 700 251 Leu Cys Leu His Tyr Arg Asp Phe Ile Pro Gly Val Ala Ile Ala Ala | | _ | | | _ | _ | _ | _ | | a 1 | | _ | | | • | . | 3 0 |
| 236 Ile Thr Cys Gln Met Asn Lys Thr Ile Ile Gly Val Ser Val Leu Ser 237 625 630 630 635 640 640 640 640 645 655 645 650 655 655 650 655 655 650 655 655 65 | | Cys | | Thr | Pro | Ser | Asp | _ | Gin | Gly | Met | Pro | | Leu | Ser | Leu | Asn |
| 237 625 | | T1. | | C | C1 - | Mak | 7 | | m 1 | T1. | T1_ | C1 | | C = 22 | 17-1 | T 0 | Com |
| 239 Val Leu Val Val Val Val Ala Val Leu Val Tyr Lys Phe Tyr Phe P | | | Thr | Cys | GTU | мет | | гÀг | Inr | тте | тте | _ | val | ser | val | Leu | |
| 240 645 650 655 242 His Leu Met Leu Leu Ala Gly Cys Ile Lys Tyr Gly Arg Gly Glu Asn 660 243 660 660 665 665 670 245 Ile Tyr Asp Asp Ala Phe Val Ile Tyr Ser Ser Gln Asp Glu Asp Trp Val 680 685 685 248 Arg Asn Glu Leu Val Lys Asn Leu Glu Glu Gly Val Pro Pro Phe Gln 690 690 695 700 251 Leu Cys Leu His Tyr Arg Asp Phe Ile Pro Gly Val Ala Ile Ala Ala | | | Lau | Val | Wal | Sar | | Val | ΔΊα | Val | T.e.11 | | Tur | T.vs | Phe | ጥvr | |
| 242 His Leu Met Leu Leu Ala Gly Cys Ile Lys Tyr Gly Arg Gly Glu Asn 243 660 665 670 245 Ile Tyr Asp Ala Phe Val Ile Tyr Ser Ser Gln Asp Glu Asp Trp Val 685 685 246 675 680 685 248 Arg Asn Glu Leu Val Lys Asn Leu Glu Glu Gly Val Pro Pro Phe Gln 690 695 251 Leu Cys Leu His Tyr Arg Asp Phe Ile Pro Gly Val Ala Ile Ala Ala | | vaı | пеп | vaı | vaı | | vaı | vaı | пла | vaı | | vaı | ı yı | цуэ | 1116 | | LIIC |
| 243 660 665 670 245 Ile Tyr Asp Ala Phe Val Ile Tyr Ser Ser Gln Asp Glu Asp Trp Val 246 675 680 685 248 Arg Asn Glu Leu Val Lys Asn Leu Glu Glu Gly Val Pro Pro Phe Gln 249 690 695 700 251 Leu Cys Leu His Tyr Arg Asp Phe Ile Pro Gly Val Ala Ile Ala Ala | | His | Len | Met | Len | | Δla | Glv | Cvs | Tle | | Tur | Glv | Ara | Glv | | Asn |
| 245 Ile Tyr Asp Ala Phe Val Ile Tyr Ser Ser Gln Asp Glu Asp Trp Val 246 675 685 680 685 685 685 685 689 690 695 695 700 695 700 695 695 695 695 695 695 695 695 695 695 | | | DCu | 1100 | | 100 | 1114 | O ± 3 | O J O | | _,_ | - 1 - | | 9 | | | |
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Input Set : A:\Utsd602.app

Output Set: C:\CRF3\06012001\I396985B.raw

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